

# JACKCON Electrolytic Capacitors

STG 85°C表面粘著標準型製品系列

## Features

- Vertical chip type miniaturized for 5.5mm



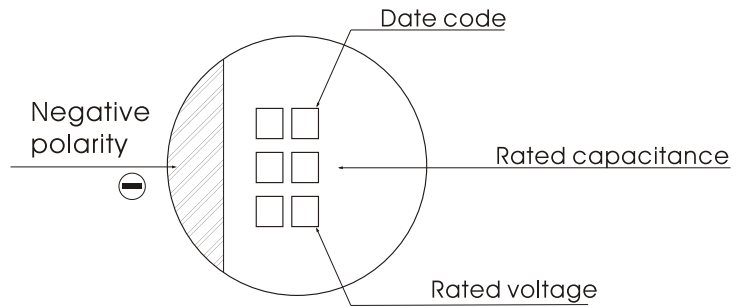
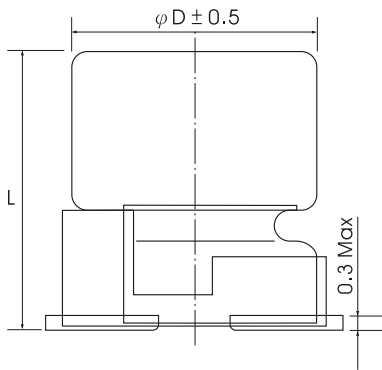
## Specifications

Item	Performance Characteristics																										
Operating Temperature Range	-40°C to +85°C																										
Capacitance Tolerance	±20% (at 120Hz, 20°C)																										
Leakage Current (at 20°C)	$I = 0.01 CV$ or $3 (\mu A)$ whichever is greater (after 2 minutes) Where, C=rated capacitance in $\mu F$ . V=rated DC working voltage in V.																										
Dissipation Factor (Tan $\delta$ at 120Hz, 20°C )	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Tan <math>\delta</math> (max)</td> <td>0.42</td> <td>0.28</td> <td>0.24</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	Rated Voltage	6.3	10	16	25	35	50	Tan $\delta$ (max)	0.42	0.28	0.24	0.14	0.12	0.10												
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Low Temperature Characteristics (at 120Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <thead> <tr> <th colspan="2">Rated Voltage</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance Ratio</td> <td>Z (-25°C)/Z(+20°C)</td> <td>7</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z (-40°C)/Z(+20°C)</td> <td>1.5</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Rated Voltage		4	6.3	10	16	25	35	50	Impedance Ratio	Z (-25°C)/Z(+20°C)	7	3	3	2	2	2	2	Z (-40°C)/Z(+20°C)	1.5	8	5	4	3	3	3
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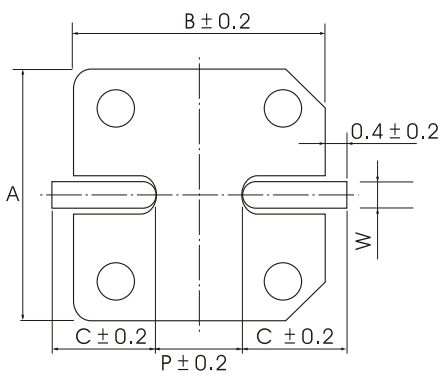
# JACKCON Electrolytic Capacitors

STG 85°C SMT表面粘著標準型製品系列

## Diagram of Dimensions



Unit: mm



$\phi D$	L	A	B	C	W	P
4	5.5	4.3	4.3	5.1	0.5 ~ 0.8	1.0
5	5.5	5.3	5.3	5.9	0.5 ~ 0.8	1.4
6.3	5.5	6.6	6.6	7.2	0.5 ~ 0.8	1.9
8	6.5	8.3	8.3	9.0	0.5 ~ 0.8	2.3
8	10.5	8.3	8.3	9.0	0.7 ~ 1.1	3.1
10	10.5	10.3	10.3	11.0	0.7 ~ 1.1	4.5

## DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension:  $\phi D \times L$ (mm)  
Ripple Current: A/rms at 120Hz, 85°C

$\mu F$	V.DC		4 V		6.3 V		10 V		16 V		25 V		35 V		50 V	
	Contents	$\phi D \times L$	Ripple	$\phi D \times L$	Ripple	$\phi D \times L$	Ripple	$\phi D \times L$	Ripple	$\phi D \times L$	Ripple	$\phi D \times L$	Ripple	$\phi D \times L$	Ripple	
0.1															4x5.5	1.0
0.22															4x5.5	2.0
0.33															4x5.5	2.8
0.47															4x5.5	4.0
1															4x5.5	8.4
2.2															4x5.5	13
3.3															4x5.5	17
4.7										4x5.5	16	4x5.5	18	5x5.5	20	
10					4x5.5	20	4x5.5	23	5x5.5	27	5x5.5	29	6.3x5.5	33		
22			4x5.5	28	5x5.5	33	5x5.5	37	6.3x5.5	42	6.3x5.5	46	8x6.5	80		
33	4x5.5	28	5x5.5	37	5x5.5	41	6.3x5.5	49	6.3x5.5	52	6.3x5.5	58	6.3x7.7 8x10.5	82 200		
47	4x5.5	33	5x5.5	45	6.3x5.5	52	6.3x5.5	58	6.3x5.5	60	6.3x7.7 8x6.5	80 115	8x10.5	240		
100	5x5.5	56	6.3x5.5	70	6.3x5.5	76	6.3x7.7	86	6.3x7.7 8x6.5	124 160	6.3x7.7 8x10.5	145 280	10x10.5	500		
220	6.3x5.5	96	6.3x7.7 8x6.5	139 210	8x6.5	190	6.3x7.7 8x10.5	160 290	8x10.5	300	10x10.5	570				
330	8x6.5	145	8x6.5	210	8x10.5	330	8x10.5	330	10x10.5	680						
470	8x10.5	220	8x10.5	380	10x10.5	680	10x10.5	690								
1000	10x10.5	500	10x10.5	700												